

Form PTO-1449 (modified)

Atty. Docket No.  
00-368-ASerial No.  
09/768,686

## List of Patents and Publications for Applicant's

## Applicant

## INFORMATION DISCLOSURE STATEMENT

William B. Busa

AUG 23 2001

(Use several sheets if necessary)

Filing Date:  
January 24, 2001Group:  
2153

## U.S. Patent Documents

## Foreign Patent Documents

## Other Art

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Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
A1		5,021,220	06/04/1991	Mertens	424	1.1	08/17/1990
A2		5,263,126	11/16/1993	Chang	395	51	09/10/1992
A3		5,307,287	04/26/1994	Cramer, III et al.	364	496	06/17/1991
A4		5,355,445	10/11/1994	Shibao et al.	395	54	04/08/1992
A5		5,418,943	05/23/1995	Borgida et al.	395	600	10/23/1991
A6		5,418,944	05/23/1995	DiPace et al.	395	600	01/23/1992
A7		5,434,796	07/18/1995	Weininger	364	496	06/30/1993
A8		5,511,186	04/23/1996	Calhoun et al.	395	600	11/18/1992
A9		5,615,112	03/25/1997	Liu Sheng et al.	395	615	01/29/1993
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A11		5,742,811	04/21/1998	Agrawal et al.	395	606	10/10/1995
A12		5,751,605	05/12/1998	Hurst et al.	364	496	08/15/1996
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A14		5,808,918	09/15/1998	Fink et al.	364	578	06/25/1997
A15		5,809,499	09/15/1998	Wong et al.	707	6	10/18/1996
A16		5,819,266	10/06/1998	Agrawal et al.	707	6	03/03/1995
A17		5,857,185	01/05/1999	Yamaura	707	5	09/13/1996
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A19		5,867,118	02/02/1999	McCoy et al.	342	90	06/07/1995
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A24	5,914,891	06/22/1999	McAdams et al.	364	578		01/19/1996
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A26	5,960,192	06/27/1999	Moore et al.	707	3		06/26/1997
A27	5,965,352	10/12/1999	Stoughton et al.	435	4		05/08/1998
A28	5,966,712	10/12/1999	Sabatini et al.	707	104		05/15/1997
A29	5,970,482	10/19/1999	Pham et al.	706	16		02/12/1996
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	B2	WO99/05323	02/04/1999	PCT	C12Q	1/68	

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<i>A</i>	C1	Overbeek et al., "Representation of Function: The Next Step", Pub. On-line 01/31/97, <a href="http://www.mcs.anl.gov/compbio/publications/function_pap.html">www.mcs.anl.gov/compbio/publications/function_pap.html</a> , pages 1-13.

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*See Page 2*Other Art  
*See Page 3***Other Art (Including Author, Title, Date Pertinent Pages, Etc.)**

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<i>A</i>	C2	Karp et al., "Representations of Metabolic Knowledge: Pathways", Artificial Intelligence Center, ISMB-94, pages 203-211.
	C3	Ogata et al., "KEGG: Kyoto Encyclopedia of Genes And Genomes", Institute for Chemical Research, Nucleic Acids Research, 1999, Vol. 27, No. 1, pages 29-34.
	C4	Heidtke et al., "BioSim - A New Qualitative Simulation Environment For Molecular Biology", Max-Planck-Institute For Molecular Genetics, ISMB-98, pages 85-94.
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	C8	Ogata et al., "Computation With The KEGG Pathway Database", Institute For Chemical Research, Kyoto University, BioSystems 47 (1998), pages 119-128.
	C9	Karp et al., "EcoCyc: Encyclopedia Of Escherichia Coli Genes And Metabolism", Nucleic Acids Research, 1998, Vol. 26, No. 1, pages 50-53.
	C10	Bono et al., "Reconstruction Of Amino Acid Biosynthesis Pathways From The Complete Genome Sequence", Institute For Chemical Research, Kyoto University, 1998 by Cold Spring Harbor Laboratory Press ISSN 1054-9803/98, pages 203-210.
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<i>A</i>	C13	Ermolaeva et al., "Data Management And Analysis For Gene Expression Arrays", Nature Genetics, Vol. 20, September 1998, pages 19-23.

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A	C14	McGregor et al., "Pharmacophore Fingerprinting. 1. Application To QSAR And Focused Library Design", Affymax Research Institute, J. Chem. Inf. Comput. Sci. 1999, 39, pages 569-574.
	C15	Collins et al., "Driving Drug Discovery And Patient Therapy Via The Encapsulation And Fusion Of Knowledge", Momentum Healthcare Ltd, Pharmaceutical Sciences Research Institute, Drug Design And Discovery, 1999, Vol. 16, pages 181-194.
	C16	Mark Collins, "Empiricism Strikes Back: Neural Networks In Biotechnology", Bio/Technology, Vol. 11, February 1993, pages 163-166.
	C17	Hopfinger et al., "Extraction Of Pharmacophore Information From High-Throughput Screens", Current Opinion In Biotechnology, 2000, 11, pages 97-103.
	C18	Peter A. Hunt, "QSAR Using 2D Descriptors And TRIPPOS' SIMCA", NRC Terlings Park, Journal Of Computer-Aided Molecular Design, 1999, 13, pages 453-467.
	C19	Schmalhofer et al., "Cooperative Knowledge Evolution: A Construction-Integration Approach To Knowledge Discovery In Medicine", German Research Center For Artificial Intelligence, Methods Of Information In Medicine, 1998, 37, pages 491-500.
	C20	Mars et al., "Knowledge Acquisition And Verification Tools For Medical Expert Systems", Med Decis Making, 1987, 7, pages 6-11.
	C21	Robinson et al., "Self-Organizing Molecular Field Analysis: A Tool For Structure-Activity Studies", Physical And Theoretical Chemistry Laboratory, Oxford University, J. Med. Chem., 1999, 42, pages 573-583.
	C22	Sung et al., "Evolutionary Optimization In Quantitative Structure-Activity Relationship: An Application Of Genetic Neural Networks", Department of Chemistry, Harvard University, J. Med. Chem., 1996, 39, pages 1521-1530.
	C23	Hans Matter, "Selecting Optimally Diverse Compounds From Structure Databases: A Validation Study Of Two-Dimensional And Three-Dimensional Molecular Descriptors", J. Med. Chem., 1997, 40, pages 1219-1229.
	C24	A. David Rodrigues, "Preclinical Drug Metabolism In The Age Of High-Throughput Screening: An Industrial Perspective", Pharmaceutical Research, Vol. 14, No. 11, 1997, pages 1504-1510.
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See Page 3**Other Art (Including Author, Title, Date Pertinent Pages, Etc.)**

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A	C26	Cramer et al., "Prospective Identification Of Biologically Active Structures By Topomer Shape Similarity Searching", Tripos, Inc. and Bristol-Myers Squibb, J. Med. Chem., 1999, 42, pages 3919-3933.
	C27	Manallack et al., "Neural Networks In Drug Discovery: Have They Lived Up To Their Promise?", Eur. J. Med. Chem., 34, 1999, pages 195-208.
	C28	The Knowledge Access Suite – Much More Then Just Data Mining, www.datamining.com/ka-suite.htm (various other articles attached all accessed at datamining.com).
	C29	Data Mining: An Introduction: Clementine-Working With Health Care, www.spss.com/cool/papers/clem_healthcare1.htm (other various downloads from this site).
	C30	Cognos Scenario, www.cognos.com/scenario/index.html.
	C31	Discover New Drugs, Discover Syntem, www.syntem.com.
	C32	"DIVA Desktop Decision Support For Life Sciences Research For Windows 95, Windows 98, Windows NT", Oxford Molecular, 1999, pages 1-4.
	C33	Oxford Molecular – Solutions For Discovery Research, www.oxmol.com/software/diamond/background.shtml (various other articles from this site).
	C34	MDL Information Systems, Inc., www.mdli.com/cgi/dynamic/product.html?uid=\$uid&key=\$key&id=40 (various other articles from this site).
	C35	Tripos, Inc. Discovery Research, www.tripos.com/research/typapp.html. (various other articles from this site).
	C36	"Bionumerik Pharmaceuticals", Red Herring Magazine, www.rhventure.com/mag/issue67/news-feature-du99-bionum.html, pages 1-2.
	C37	"Chemistry And Biological Sciences", Silicon Graphics, Inc. (SGI), 2000, www.sgi.com/chembio/cust_success/bionumerik.html, pages 1-2.
	C38	"CS 267 Assignment One – Drug Design", garnet.berkeley.edu/~abeand/cs267/assignment1.html, pages 1-2.
H	C39	"Cray And BioNumerik Pharmaceuticals: Engineering More Rapid Cures For Today's Diseases", www.cray.com/features/bionumerik.html, pages 1-3.

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**Other Art (Including Author, Title, Date Pertinent Pages, Etc.)**

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A	C40	"BioNumerik Reports Preclinical Antitumor Data On Two Novel Supercomputer Engineered Anticancer Agents At 89 <sup>th</sup> Annual AACR Conference", www.prostatecancer.com/otherinfo/story2-aacs.html-ssi, pages 1-3.
	C41	"Agile Business Rule Processing", The Haley Enterprise, Inc., 1999, pages 1-9.
	C42	"Knowledge Management And Knowledge Automation Systems", Gallagher Financial System, Inc., pages 1-6.
	C43	Various pages from www.haley.com/4013219860515857/0000025120WhitePapers.html, etc.
	C44	Arbour Group, Software Specialists To The Pharmaceutical And Medical Device Industries, www.arbourgroup.com, (various other articles from this site).
	C45	Nanodesign – Partners In Drug Discover, EMD Facts-Evolutionary Molecular Design, www.nanodesign.com/EMD_facts.htm, (various other articles from this site).
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	C50	"Project Explorer: Enabling Knowledge-Led R& D Projects", Synomics, www.synomocs.com/m/products/projectexplorer.htm, pages 1-3.
	C51	PharMatrix – Providing Information, Knowledge & Project Management Solutions For Pharmaceutical Discovery & Development, www.base4.com, (various other articles from this site).
	C52	Rowe et al., "Artificial Intelligence In Pharmaceutical Product Formulation: Neural Computing And Emerging Technologies", PSTT Vol. 1, No.5, August 1998, pages 200-205.
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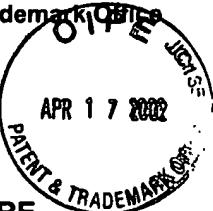
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FORM PTO-1449 (Rev. 2-32)	U. S. Department of Commerce Patent and Trademark Office 	Atty. Docket No. 00-368-A	Serial No. 09/768,686
<b>THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use several Sheets is Necessary)		Applicant: <b>William B. Busa</b>	
		Filing Date: 01/24/2001	Group: 2153

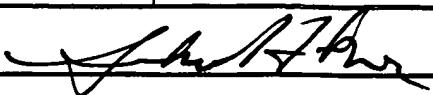
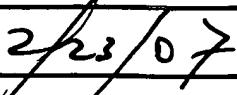
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Examiner Initials	Document Number							Date	Country	Class	Sub class	Translation	
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		Church K. W. et al., "Word Association Norms, Mutual Information, and Lexicography," Computational Linguistics, Cambridge, MA, vol. 16, no. 1, March 1990.	
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